2008 Fall Meeting Search Results	Cite abstracts as Author(s) (2008), Title, <i>Eos Trans. AGU,</i> 89(53), Fall Meet. Suppl., Abstract xxxxx-xx	
Your query was: carbotte		
HR: 0800h AN: V418-' TI: Variatio AU: * Marja EM: milenaja AF: Lamoni AU: Carbot AF: Lamoni AU: Nedim EM: mladen AF: Departi AU: Nedim EM: mladen AF: Departi AU: Voods AU: Canale EM: jcanale AF: Woods AB: Voods AB: Variatid delivery to channel sei in this pape	2087 Ins of the Crustal Structure Along the Juan de Fuca Ridge From Analysis of Gravity and Seismic Data anović, M @/deo.columbia.edu t-Doherty Earth Observatory, 61 Route 9W, Palisades, NY 10964, United States tte, S @@/deo.columbia.edu t-Doherty Earth Observatory, 61 Route 9W, Palisades, NY 10964, United States tović, M @/deo.columbia.edu the columbia.edu the order dearth Sciences, Dalhousie University, Edzell Castle Circle, Halifax, NS B3H 4J1, Canada tović, M @/deo.columbia.edu the Observatory, 61 Route 9W, Palisades, NY 10964, United States tes, J @/deo.columbia.edu the Observatory, 61 Route 9W, Palisades, NY 10964, United States the Colerty Earth Observatory, 61 Route 9W, Palisades, NY 10964, United States the Observatory, 61 Route 9W, Palisades, NY 10964, United States the Observatory, 61 Route 9W, Palisades, NY 10964, United States the Observatory, 61 Route 9W, Palisades, NY 10964, United States the Observatory of the Note 9W, Palisades, NY 10964, United States the Observatory of the Note 9W, Palisades, NY 10964, United States the Observatory of the Observation of th	
the model a profiles per allows us t	along the axis we assumed the density and thickness of the crust to be constant, 2.7 g/cm ² and 6 km, respectively. Moho reflections identified in MCS data from rependicular to the ridge segments, and converted to depth using an assumed constant velocity indicate differences in crustal thickness for the three segments. This to examine several different models for each of the transacts; constant crustal thickness (6.5 km) and density (2.75 a/cm ²) seimically constrained variable	
thickness a Bouguer ar observed ir between th anomaly. T presence o plate therr extending 5 DE: 1219 C SC: Volcan	Ind constant density (2.75g/cm ³), and variable thickness and density distribution within the crust to provide the best fit model. The greatest differences in mantle nomalies calculated for uniform density and thickness crust are for the Cleft and NSymm segments, with absolute value of ~4 mGal. Slightly lower differences are not neresidual anomalies obtained for the models using uniform density and segments. This implies that the seismically inferred crustal thickness difference between these two segments (~500 m) accounts for ~37% of the observed "hus the rest of the anomaly requires the presence of the met and/or higher temperature within the Crust and/or upper mantle. The best fit models require the of a wider region of lower density material under the Cleft and Endeavour segments in comparison with the NSymm. In addition to the above models a series of half nal cooling models were run. Asymmetric residual anomalies remain low on both sides of the axis. Sravity anomalies and Earth structure (0920, 7205, 7240) [Submitted and anomalies are obtained for the axis. Scheduler (V] [Submitted anomalies are obtained for the axis. Scheduler (V] [Submitted anomalies and Earth structure (0920, 7205, 7240) [Submitted anomalies are obtained for the axis. Scheduler (V] [Submitted anomalies and [Submitted anomalies [Submitted anomalies and [Submitted anomalies	

MN: 2008 Fall Meeting

New Search

SAGU